

WP:HEH
II-O

Letter
Circular
LC 116

DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS
George K. Burgess, Director.

(April 9, 1924)

CONVERSION TABLES

For

Square Feet into Square Meters,
Square Meters into Square Feet,
Cubic Feet into Cubic Meters, and
Cubic Meters into Cubic Feet.

Based upon

The Following Equivalents:

1 Meter = 39.37 Inches
1 Square Foot = 0.0929034116 Square Meter,
1 Square Meter = 10.76386736 " Feet,
1 Cubic Foot = 0.0283170135 Cubic Meter,
1 Cubic Meter = 35.31445483 " Feet.

CONVERSION TABLE

Square Feet to Square Meters

1 Square Foot = 0.0929034116 Square Meter

Square Feet	Square Meters	Square Feet	Square Meters	Square Feet	Square Meters
1	0.0929	36	3.3445	71	6.5961
2	0.1858	37	3.4374	72	6.6890
3	0.2787	38	3.5303	73	6.7819
4	0.3716	39	3.6232	74	6.8749
5	0.4645	40	3.7161	75	6.9678
6	0.5574	41	3.8090	76	7.0607
7	0.6503	42	3.9019	77	7.1536
8	0.7432	43	3.9948	78	7.2465
9	0.8361	44	4.0878	79	7.3394
10	0.9290	45	4.1807	80	7.4323
11	1.0219	46	4.2736	81	7.5252
12	1.1148	47	4.3665	82	7.6181
13	1.2077	48	4.4594	83	7.7110
14	1.3006	49	4.5523	84	7.8039
15	1.3936	50	4.6452	85	7.8968
16	1.4865	51	4.7381	86	7.9897
17	1.5794	52	4.8310	87	8.0826
18	1.6723	53	4.9239	88	8.1755
19	1.7652	54	5.0168	89	8.2684
20	1.8581	55	5.1097	90	8.3613
21	1.9510	56	5.2026	91	8.4542
22	2.0439	57	5.2955	92	8.5471
23	2.1368	58	5.3884	93	8.6400
24	2.2297	59	5.4813	94	8.7329
25	2.3226	60	5.5742	95	8.8258
26	2.4155	61	5.6671	96	8.9187
27	2.5084	62	5.7600	97	9.0116
28	2.6013	63	5.8529	98	9.1045
29	2.6942	64	5.9458	99	9.1974
30	2.7871	65	6.0387	100	9.2903
31	2.8800	66	6.1316		
32	2.9729	67	6.2245		
33	3.0658	68	6.3174		
34	3.1587	69	6.4103		
35	3.2516	70	6.5032		

CONVERSION TABLE

Square Meters to Square Feet

1 Square Meter = 10.76386736 Square Feet

Square Meters	Square Feet	Square Meters	Square Feet	Square Meters	Square Feet
1	10.7639	36	387.4992	71	764.2346
2	21.5277	37	398.2631	72	774.9984
3	32.2916	38	409.0270	73	785.7623
4	43.0555	39	419.7908	74	796.5262
5	53.8193	40	430.5547	75	807.2901
6	64.5832	41	441.3186	76	818.0539
7	75.3471	42	452.0824	77	828.8178
8	86.1109	43	462.8463	78	839.5817
9	96.8748	44	473.6102	79	850.3455
10	107.6387	45	484.3740	80	861.1094
11	118.4025	46	495.1379	81	871.8733
12	129.1664	47	505.9018	82	882.6371
13	139.9303	48	516.6656	83	893.4010
14	150.6941	49	527.4295	84	904.1649
15	161.4580	50	538.1934	85	914.9287
16	172.2219	51	548.9572	86	925.6926
17	182.9857	52	559.7211	87	936.4565
18	193.7496	53	570.4850	88	947.2203
19	204.5135	54	581.2488	89	957.9842
20	215.2773	55	592.0127	90	968.7481
21	226.0412	56	602.7766	91	979.5119
22	236.8051	57	613.5404	92	990.2758
23	247.5689	58	624.3043	93	1001.0397
24	258.3328	59	635.0682	94	1011.8035
25	269.0967	60	645.8320	95	1022.5674
26	279.8606	61	656.5959	96	1033.3313
27	290.6244	62	667.3598	97	1044.0951
28	301.3883	63	678.1236	98	1054.8590
29	312.1522	64	688.8875	99	1065.6229
30	322.9160	65	699.6514	100	1076.3867
31	333.6799	66	710.4152		
32	344.4438	67	721.1791		
33	355.2076	68	731.9430		
34	365.9715	69	742.7068		
35	376.7354	70	753.4707		

CUBIC FEET TO CUBIC METERS

(1 cubic foot = 0.0283170165 cubic meter)

cu.ft.	0	1	2	3	4	5	6	7	8	9
	m ³	m ³	m ³	m ³	m ³	m ³	m ³	m ³	m ³	m ³
00	0.00	0.03	0.06	0.08	0.11	0.14	0.17	0.20	0.23	0.25
10	0.28	0.31	0.34	0.37	0.40	0.42	0.45	0.48	0.51	0.54
20	0.57	0.59	0.62	0.65	0.68	0.71	0.74	0.76	0.79	0.82
30	0.85	0.88	0.91	0.93	0.96	0.99	1.02	1.05	1.08	1.10
40	1.13	1.16	1.19	1.22	1.25	1.27	1.30	1.33	1.36	1.39
50	1.42	1.44	1.47	1.50	1.53	1.56	1.59	1.61	1.64	1.67
60	1.70	1.73	1.76	1.78	1.81	1.84	1.87	1.90	1.93	1.95
70	1.98	2.01	2.04	2.07	2.10	2.12	2.15	2.18	2.21	2.24
80	2.27	2.29	2.32	2.35	2.38	2.41	2.44	2.46	2.49	2.52
90	2.55	2.58	2.61	2.63	2.66	2.69	2.72	2.75	2.78	2.80
100	2.83	2.86	2.89	2.92	2.94	2.97	3.00	3.03	3.06	3.09
110	3.11	3.14	3.17	3.20	3.23	3.26	3.28	3.31	3.34	3.37
120	3.40	3.43	3.45	3.48	3.51	3.54	3.57	3.60	3.62	3.65
130	3.68	3.71	3.74	3.77	3.79	3.82	3.85	3.88	3.91	3.94
140	3.96	3.99	4.02	4.05	4.08	4.11	4.13	4.16	4.19	4.22
150	4.25	4.28	4.30	4.33	4.36	4.39	4.42	4.45	4.47	4.50
160	4.53	4.56	4.59	4.62	4.64	4.67	4.70	4.73	4.76	4.79
170	4.81	4.84	4.87	4.90	4.93	4.96	4.98	5.01	5.04	5.07
180	5.10	5.13	5.15	5.18	5.21	5.24	5.27	5.30	5.32	5.35
190	5.38	5.41	5.44	5.47	5.49	5.52	5.55	5.58	5.61	5.64
200	5.66	5.69	5.72	5.75	5.78	5.80	5.83	5.86	5.89	5.92
210	5.95	5.97	6.00	6.03	6.06	6.09	6.12	6.14	6.17	6.20
220	6.23	6.26	6.29	6.31	6.34	6.37	6.40	6.43	6.46	6.48
230	6.51	6.54	6.57	6.60	6.63	6.65	6.68	6.71	6.74	6.77
240	6.80	6.82	6.85	6.88	6.91	6.94	6.97	6.99	7.02	7.05
250	7.08	7.11	7.14	7.16	7.19	7.22	7.25	7.28	7.31	7.33
260	7.36	7.39	7.42	7.45	7.48	7.50	7.53	7.56	7.59	7.62
270	7.65	7.67	7.70	7.73	7.76	7.79	7.82	7.84	7.87	7.90
280	7.93	7.96	7.99	8.01	8.04	8.07	8.10	8.13	8.16	8.18
290	8.21	8.24	8.27	8.30	8.33	8.35	8.38	8.41	8.44	8.47

Cubic Feet to Cubic Meters, Continued

cu.ft.	0	1	2	3	4	5	6	7	8	9
	m ³	m ³	m ³	m ³	m ³	m ³	m ³	m ³	m ³	m ³
300	8.50	8.52	8.55	8.58	8.61	8.64	8.67	8.69	8.72	8.75
310	8.78	8.81	8.83	8.86	8.89	8.92	8.95	8.98	9.00	9.03
320	9.06	9.09	9.12	9.15	9.17	9.20	9.23	9.25	9.29	9.32
330	9.34	9.37	9.40	9.43	9.46	9.49	9.51	9.54	9.57	9.60
340	9.63	9.66	9.68	9.71	9.74	9.77	9.80	9.83	9.85	9.88
350	9.91	9.94	9.97	10.00	10.02	10.05	10.08	10.11	10.14	10.17
360	10.19	10.22	10.25	10.28	10.31	10.34	10.36	10.39	10.42	10.45
370	10.48	10.51	10.53	10.56	10.59	10.62	10.65	10.68	10.70	10.73
380	10.76	10.79	10.82	10.85	10.87	10.90	10.93	10.96	10.99	11.02
390	11.04	11.07	11.10	11.13	11.16	11.19	11.21	11.24	11.27	11.30
400	11.33	11.36	11.38	11.41	11.44	11.47	11.50	11.53	11.55	11.58
410	11.61	11.64	11.67	11.69	11.72	11.75	11.78	11.81	11.84	11.86
420	11.89	11.92	11.95	11.98	12.01	12.03	12.06	12.09	12.12	12.15
430	12.18	12.20	12.23	12.26	12.29	12.32	12.35	12.37	12.40	12.43
440	12.46	12.49	12.52	12.54	12.57	12.60	12.63	12.66	12.69	12.71
450	12.74	12.77	12.80	12.83	12.86	12.88	12.91	12.94	12.97	13.00
460	13.03	13.05	13.08	13.11	13.14	13.17	13.20	13.22	13.25	13.28
470	13.31	13.34	13.37	13.39	13.42	13.45	13.48	13.51	13.54	13.56
480	13.59	13.62	13.65	13.68	13.71	13.73	13.76	13.79	13.82	13.85
490	13.88	13.90	13.93	13.96	13.99	14.02	14.05	14.07	14.10	14.13
500	14.16	14.19	14.22	14.24	14.27	14.30	14.33	14.36	14.39	14.41
510	14.44	14.47	14.50	14.53	14.55	14.58	14.61	14.64	14.67	14.70
520	14.72	14.75	14.78	14.81	14.84	14.87	14.89	14.92	14.95	14.98
530	15.01	15.04	15.06	15.09	15.12	15.15	15.18	15.21	15.23	15.26
540	15.29	15.32	15.35	15.38	15.40	15.43	15.46	15.49	15.52	15.55
550	15.57	15.60	15.63	15.66	15.69	15.72	15.74	15.77	15.80	15.83
560	15.86	15.89	15.91	15.94	15.97	16.00	16.03	16.06	16.08	16.11
570	16.14	16.17	16.20	16.23	16.25	16.28	16.31	16.34	16.37	16.40
580	16.42	16.45	16.48	16.51	16.54	16.57	16.59	16.62	16.65	16.68
590	16.71	16.74	16.76	16.79	16.82	16.85	16.88	16.91	16.93	16.96
600	16.99	17.02	17.05	17.08	17.10	17.13	17.16	17.19	17.22	17.25
610	17.27	17.30	17.33	17.36	17.39	17.41	17.44	17.47	17.50	17.53
620	17.56	17.58	17.61	17.64	17.67	17.70	17.73	17.75	17.78	17.81
630	17.84	17.87	17.90	17.92	17.95	17.98	18.01	18.04	18.07	18.09
640	18.12	18.15	18.18	18.21	18.24	18.26	18.29	18.32	18.35	18.38

Cubic Feet to Cubic Meters, Continued

cu.ft	0	1	2	3	4	5	6	7	8	9
	m ³	m ³	m ³	m ³	m ³	m ³	m ³	m ³	m ³	m ³
650	18.41	18.43	18.46	18.49	18.52	18.55	18.58	18.60	18.63	18.66
660	18.69	18.72	18.75	18.77	18.80	18.83	18.86	18.89	18.92	18.94
670	18.97	19.00	19.03	19.06	19.09	19.11	19.14	19.17	19.20	19.23
680	19.26	19.28	19.31	19.34	19.37	19.40	19.43	19.45	19.48	19.51
690	19.54	19.57	19.60	19.62	19.65	19.68	19.71	19.74	19.77	19.79
700	19.82	19.85	19.88	19.91	19.94	19.96	19.99	20.02	20.05	20.08
710	20.11	20.13	20.16	20.19	20.22	20.25	20.27	20.30	20.33	20.36
720	20.39	20.42	20.44	20.47	20.50	20.53	20.56	20.59	20.61	20.64
730	20.67	20.70	20.73	20.76	20.78	20.81	20.84	20.87	20.90	20.93
740	20.95	20.98	21.01	21.04	21.07	21.10	21.12	21.15	21.18	21.21
750	21.24	21.27	21.29	21.32	21.35	21.38	21.41	21.44	21.46	21.49
760	21.52	21.55	21.58	21.61	21.63	21.66	21.69	21.72	21.75	21.78
770	21.80	21.83	21.86	21.89	21.92	21.95	21.97	22.00	22.03	22.06
780	22.09	22.12	22.14	22.17	22.20	22.23	22.26	22.29	22.31	22.34
790	22.37	22.40	22.43	22.46	22.48	22.51	22.54	22.57	22.60	22.63
800	22.65	22.68	22.71	22.74	22.77	22.80	22.82	22.85	22.88	22.91
810	22.94	22.97	22.99	23.02	23.05	23.08	23.11	23.14	23.16	23.19
820	23.22	23.25	23.28	23.30	23.33	23.36	23.39	23.42	23.45	23.47
830	23.50	23.53	23.56	23.59	23.62	23.64	23.67	23.70	23.73	23.76
840	23.79	23.81	23.84	23.87	23.90	23.93	23.96	23.98	24.01	24.04
850	24.07	24.10	24.13	24.15	24.18	24.21	24.24	24.27	24.30	24.32
860	24.35	24.38	24.41	24.44	24.47	24.49	24.52	24.55	24.58	24.61
870	24.64	24.66	24.69	24.72	24.75	24.78	24.81	24.83	24.86	24.89
880	24.92	24.95	24.98	25.00	25.03	25.06	25.09	25.12	25.15	25.17
890	25.20	25.23	25.26	25.29	25.32	25.34	25.37	25.40	25.43	25.46
900	25.49	25.51	25.54	25.57	25.60	25.63	25.66	25.68	25.71	25.74
910	25.77	25.80	25.83	25.85	25.88	25.91	25.94	25.97	26.00	26.03
920	26.05	26.08	26.11	26.14	26.16	26.19	26.22	26.25	26.28	26.31
930	26.33	26.36	26.39	26.42	26.45	26.48	26.50	26.53	26.56	26.59
940	26.62	26.65	26.67	26.70	26.73	26.76	26.79	26.82	26.84	26.87
950	26.90	26.93	26.96	26.99	27.01	27.04	27.07	27.10	27.13	27.16
960	27.18	27.21	27.24	27.27	27.30	27.33	27.35	27.38	27.41	27.44
970	27.47	27.50	27.52	27.55	27.58	27.61	27.64	27.67	27.69	27.72
980	27.75	27.78	27.81	27.84	27.86	27.89	27.92	27.95	27.98	28.01
990	28.03	28.06	28.09	28.12	28.15	28.18	28.20	28.23	28.26	28.29

CUBIC METERS TO CUBIC FEET

(1 Cubic Meter = 35.31445483 Cubic Feet)

m ³	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
	cu.ft.	cu.ft.	cu.ft.	cu.ft.	cu.ft.	cu.ft.	cu.ft.	cu.ft.	cu.ft.	cu.ft.
0	0.0	3.5	7.1	10.6	14.1	17.7	21.2	24.7	28.3	31.8
1	35.3	38.8	42.4	45.9	49.4	53.0	56.5	60.0	63.6	67.1
2	70.6	74.2	77.7	81.2	84.8	88.3	91.8	95.3	98.9	102.4
3	105.9	109.5	113.0	116.5	120.1	123.6	127.1	130.7	134.2	137.7
4	141.3	144.8	148.3	151.9	155.4	158.9	162.4	166.0	169.5	173.0
5	178.6	180.1	183.6	187.2	190.7	194.2	197.8	201.3	204.8	208.4
6	211.9	215.4	218.9	222.5	226.0	229.5	233.1	236.6	240.1	243.7
7	247.2	250.7	254.3	257.8	261.3	264.9	268.4	271.9	275.5	279.0
8	282.5	286.0	289.6	293.1	296.6	300.2	303.7	307.2	310.8	314.3
9	317.8	321.4	324.9	328.4	332.0	335.5	339.0	342.6	346.1	349.6
10	353.1	356.7	360.2	363.7	367.3	370.8	374.3	377.9	381.4	384.9
11	388.5	392.0	395.5	399.1	402.6	406.1	409.6	413.2	416.7	420.2
12	423.8	427.3	430.8	434.4	437.9	441.4	445.0	448.5	452.0	455.6
13	459.1	462.6	466.2	469.7	473.2	476.7	480.3	483.8	487.3	490.9
14	494.4	497.9	501.5	505.0	508.5	512.1	515.6	519.1	522.7	526.2
15	529.7	533.2	536.8	540.3	543.8	547.4	550.9	554.4	558.0	561.5
16	565.0	568.6	572.1	575.6	579.2	582.7	586.2	589.8	593.3	596.8
17	600.3	603.9	607.4	610.9	614.5	618.0	621.5	625.1	628.6	632.1
18	635.7	639.2	642.7	646.3	649.8	653.3	656.8	660.4	663.9	667.4
19	671.0	674.5	678.0	681.6	685.1	688.6	692.2	695.7	699.2	702.8
20	706.3	709.8	713.4	716.9	720.4	723.9	727.5	731.0	734.5	738.1
21	741.6	745.1	748.7	752.2	755.7	759.3	762.8	766.3	769.9	773.4
22	776.9	780.4	784.0	787.5	791.0	794.6	798.1	801.6	805.2	808.7
23	812.2	815.8	819.3	822.8	826.4	829.9	833.4	837.0	840.5	844.0
24	847.5	851.1	854.6	858.1	861.7	865.2	868.7	872.3	875.8	879.3
25	882.9	886.4	889.9	893.5	897.0	900.5	904.1	907.6	911.1	914.6
26	918.2	921.7	925.2	928.8	932.3	935.8	939.4	942.9	946.4	950.0
27	953.5	957.0	960.6	964.1	967.6	971.1	974.7	978.2	981.7	985.3
28	988.8	992.3	995.9	999.4	1002.9	1006.5	1010.0	1013.5	1017.1	1020.6

